

Fig. 1

TOT 230" 9T598860

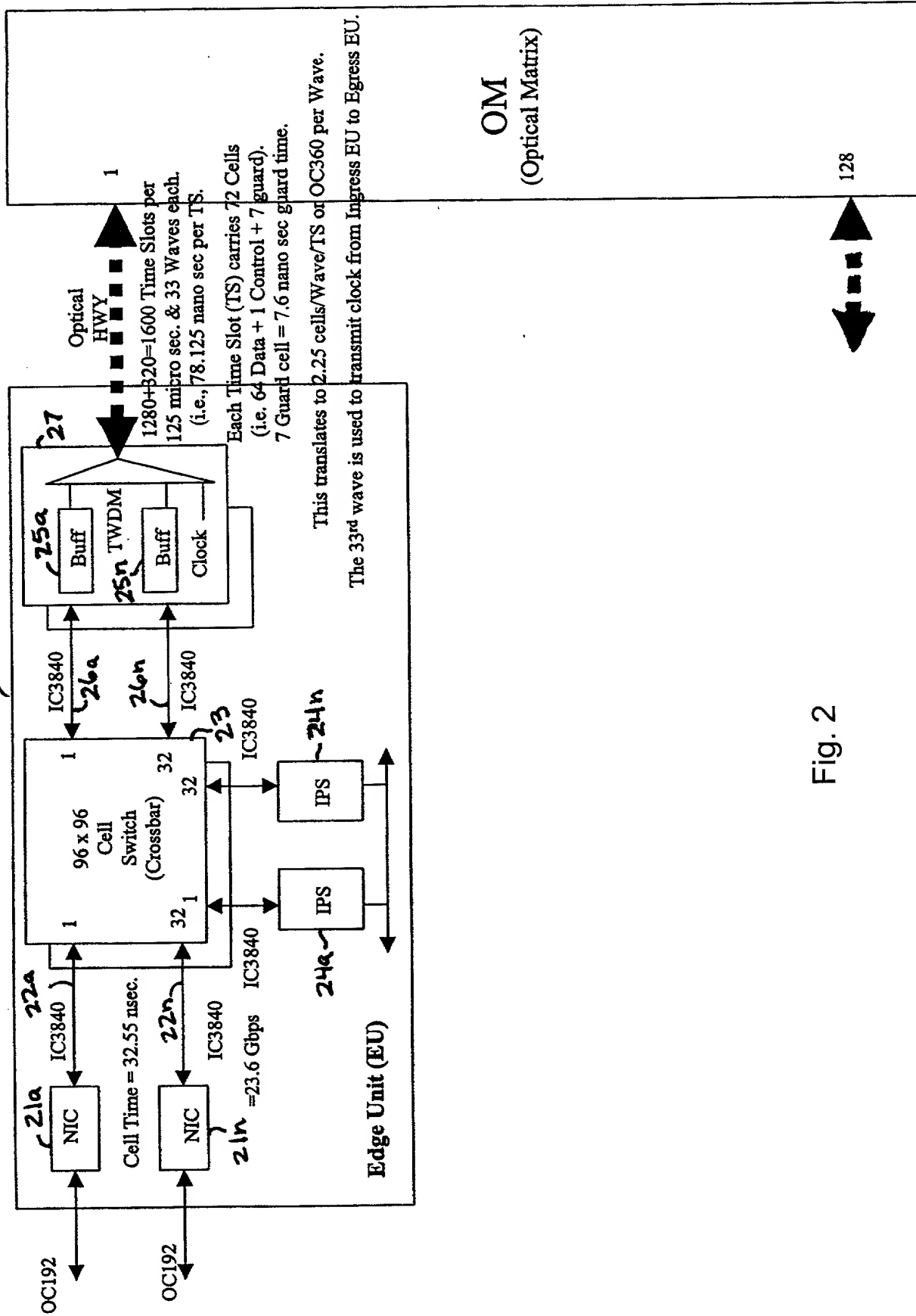


Fig. 2

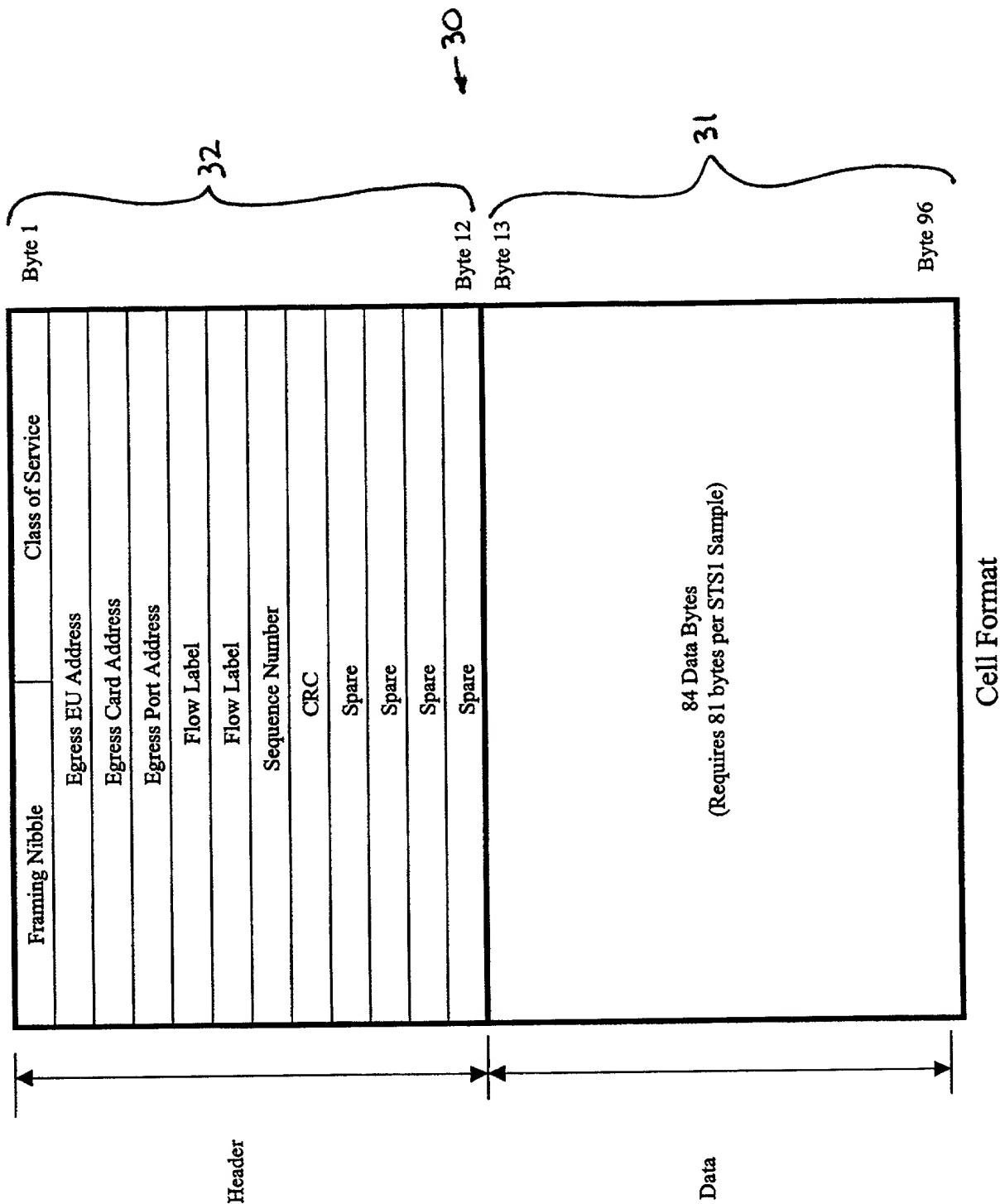


Fig. 3

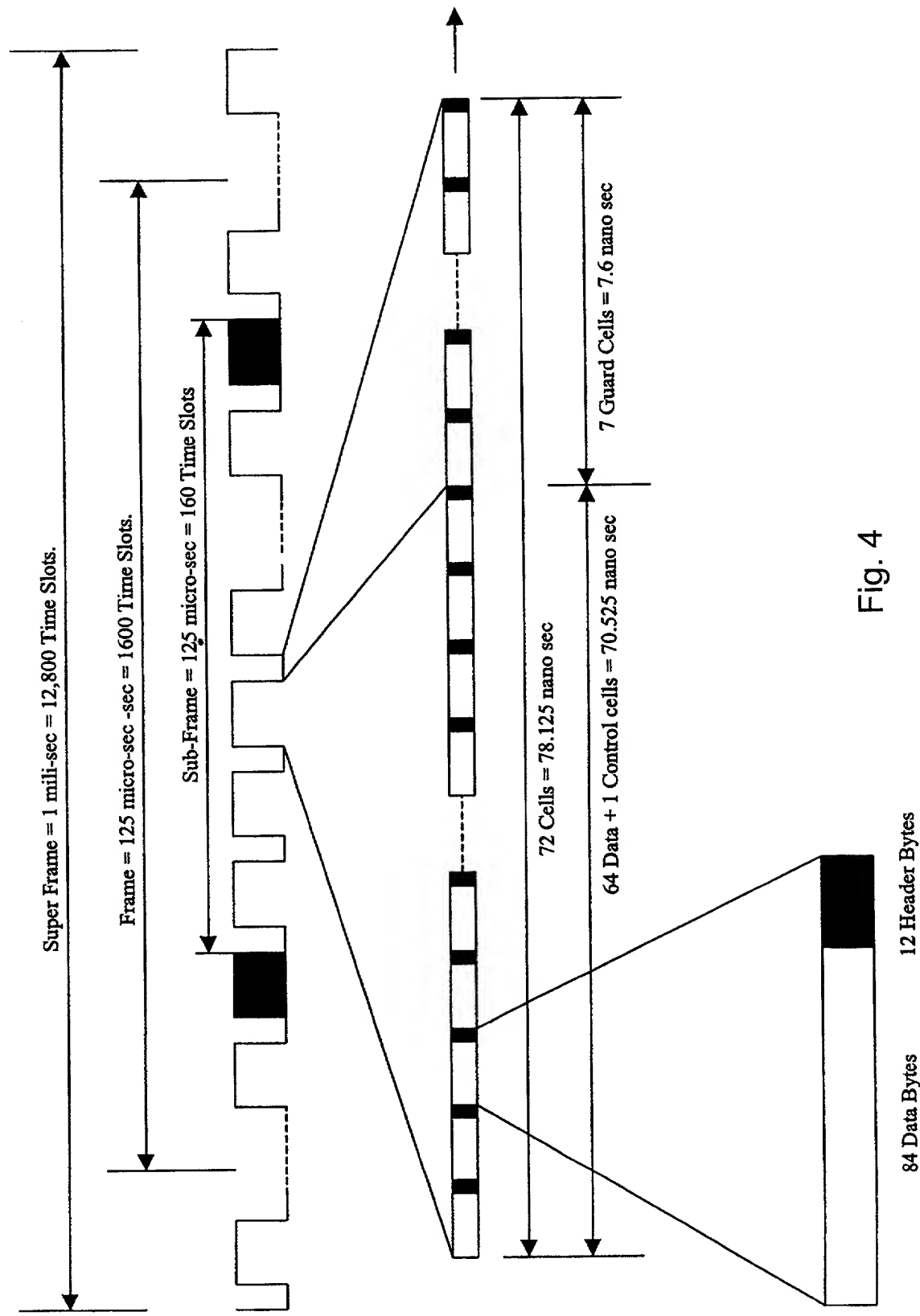
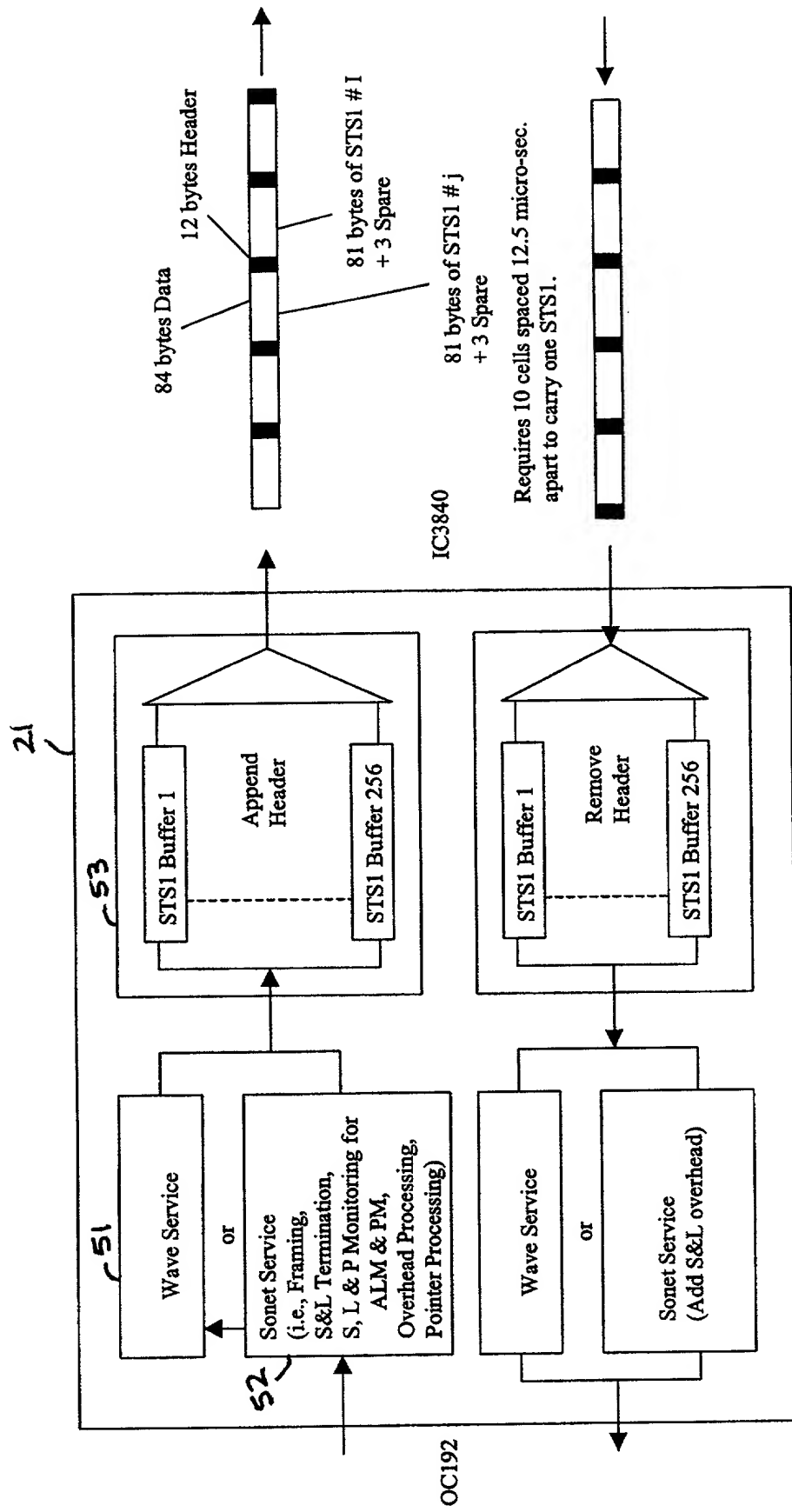


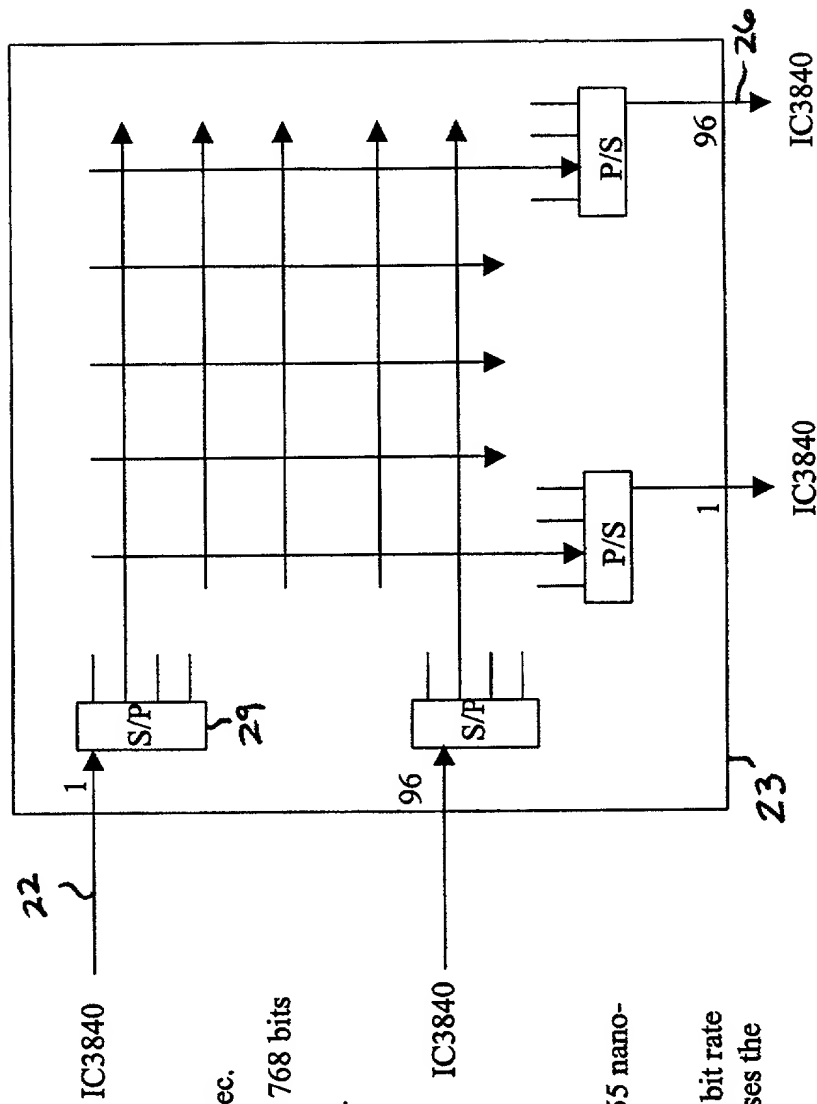
Fig. 4



Network Interface Card (NIC)

Fig. 5

A Simple Cell based Crossbar Switch



Cell Time = 32.55 nano-sec.

Cell size = 96 bytes x 8 = 768 bits

Bit time = 42.39 pico-sec.

Set up the cross connection for 32.55 nano-sec. when 768 bits flow through.

The optional S/P logic, reduces the bit rate through the Cell Switch, but increases the number of Cell Switch Planes.

96 x 96 Cell Switch (CS96)

(Prefer 128 x 128 Cell Switch for Future Services)

Fig. 6

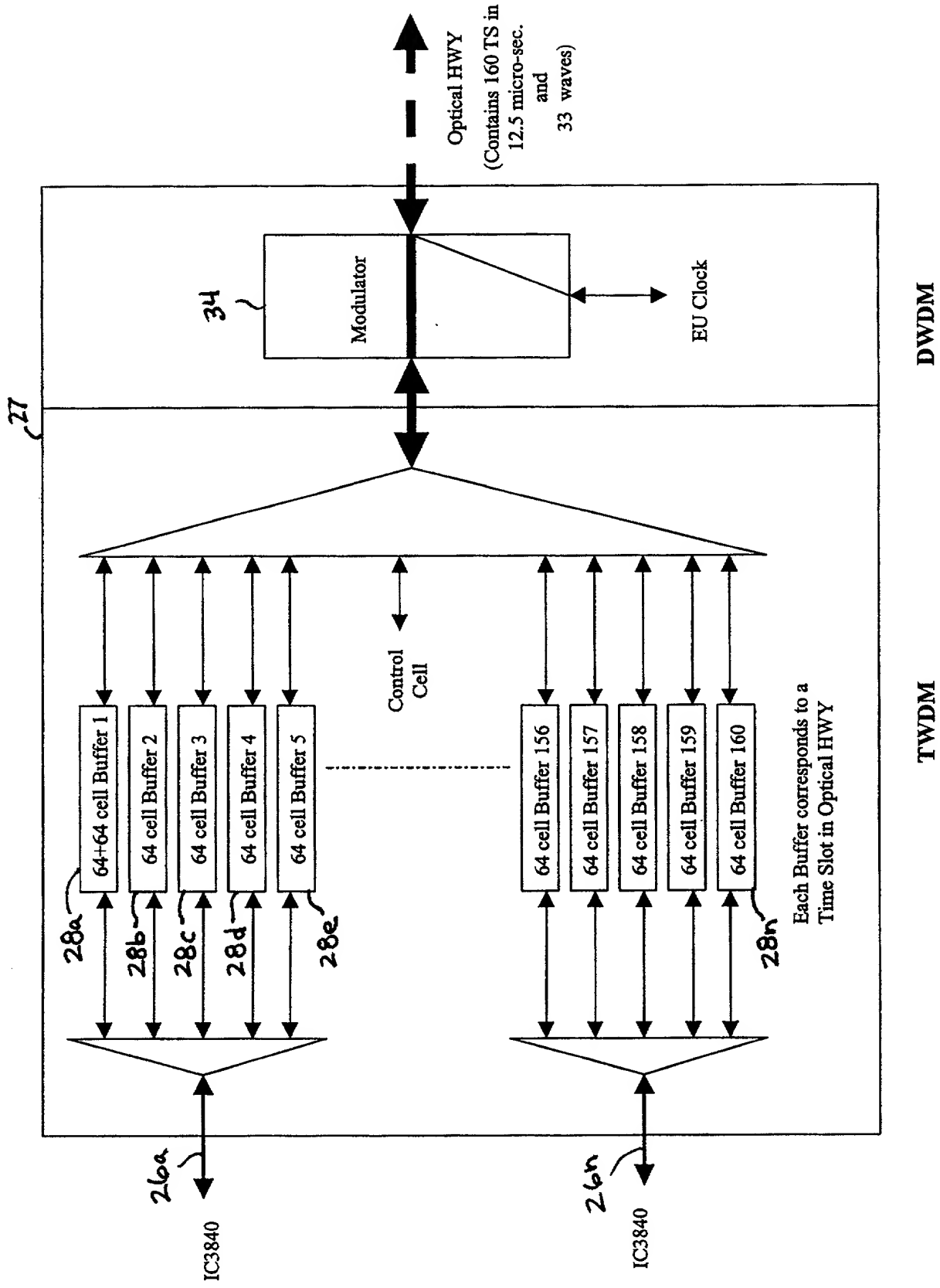


Fig. 7

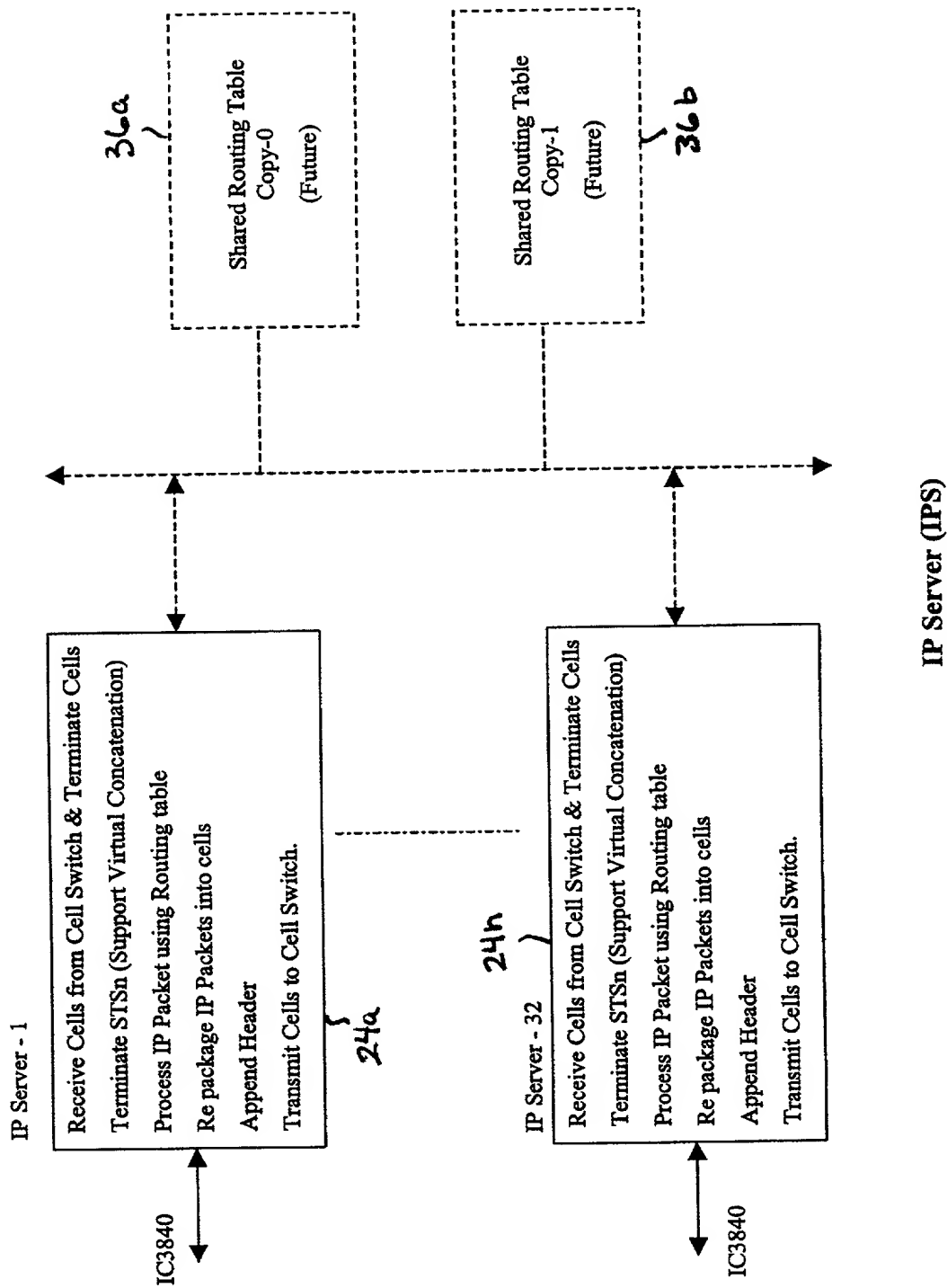


Fig. 8

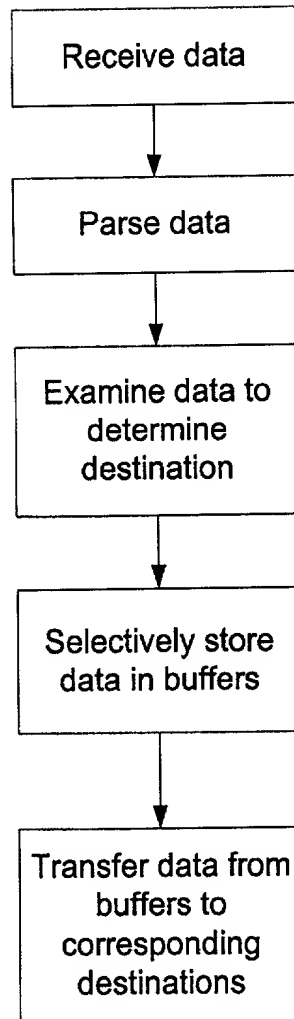


Fig. 9